



# WPA Form 3 – Notice of Intent

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

Provided by MassDEP:
MassDEP File Number
Document Transaction Number
Revere
City/Town

**Important:**  
When filling out forms on the computer, use only the tab key to move your cursor - do not use the return key.



Note:  
Before completing this form consult your local Conservation Commission regarding any municipal bylaw or ordinance.

## A. General Information

1. Project Location (**Note:** electronic filers will click on button to locate project site):

<u>Oak Island Park, Dashwood and Oak Island St.</u>	<u>Revere</u>	<u>02151</u>
a. Street Address	b. City/Town	c. Zip Code
Latitude and Longitude:		
<u>Plate 11</u>	<u>NA</u>	<u></u>
f. Assessors Map/Plat Number	g. Parcel /Lot Number	d. Latitude e. Longitude

2. Applicant:

<u>Frank</u>	<u>Stringi</u>	
a. First Name	b. Last Name	
<u>City of Revere Department of Planning and Community Development</u>		
c. Organization		
<u>281 Broadway</u>		
d. Street Address		
<u>Revere</u>	<u>MA</u>	<u>02151</u>
e. City/Town	f. State	g. Zip Code
<u>781-286-8183</u>	<u>781-286-8180</u>	<u>fstringi@revere.org</u>
h. Phone Number	i. Fax Number	j. Email Address

3. Property owner (required if different from applicant):  Check if more than one owner

<u>City of Revere</u>	<u></u>	
a. First Name	b. Last Name	
<u></u>		
c. Organization		
<u></u>		
d. Street Address		
<u></u>	<u></u>	<u></u>
e. City/Town	f. State	g. Zip Code
<u></u>	<u></u>	<u></u>
h. Phone Number	i. Fax Number	j. Email address

4. Representative (if any):

<u></u>	<u></u>	
a. First Name	b. Last Name	
<u></u>		
c. Company		
<u></u>		
d. Street Address		
<u></u>	<u></u>	<u></u>
e. City/Town	f. State	g. Zip Code
<u></u>	<u></u>	<u></u>
h. Phone Number	i. Fax Number	j. Email address

5. Total WPA Fee Paid (from NOI Wetland Fee Transmittal Form):

<u>NA</u>	<u></u>	<u></u>
a. Total Fee Paid	b. State Fee Paid	c. City/Town Fee Paid



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A. General Information (continued)

6. General Project Description:

Project involves replacing existing playground equipment, upgrading existing basketball court and upgrading baseball field with new irrigation system and loam and seed.

7a. Project Type Checklist:

- 1. Single Family Home
2. Residential Subdivision
3. Limited Project Driveway Crossing
4. Commercial/Industrial
5. Dock/Pier
6. Utilities
7. Coastal Engineering Structure
8. Agriculture (e.g., cranberries, forestry)
9. Transportation
10. Other

7b. Is any portion of the proposed activity eligible to be treated as a limited project subject to 310 CMR 10.24 (coastal) or 310 CMR 10.53 (inland)?

1. Yes No If yes, describe which limited project applies to this project:

2. Limited Project

8. Property recorded at the Registry of Deeds for:

NA
a. County b. Certificate # (if registered land)
c. Book d. Page Number

B. Buffer Zone & Resource Area Impacts (temporary & permanent)

- 1. Buffer Zone Only - Check if the project is located only in the Buffer Zone of a Bordering Vegetated Wetland, Inland Bank, or Coastal Resource Area.
2. Inland Resource Areas (see 310 CMR 10.54-10.58; if not applicable, go to Section B.3, Coastal Resource Areas).

Check all that apply below. Attach narrative and any supporting documentation describing how the project will meet all performance standards for each of the resource areas altered, including standards requiring consideration of alternative project design or location.

For all projects affecting other Resource Areas, please attach a narrative explaining how the resource area was delineated.

Table with 3 columns: Resource Area, Size of Proposed Alteration, Proposed Replacement (if any). Rows include Bank, Bordering Vegetated Wetland, and Land Under Waterbodies and Waterways.



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B. Buffer Zone & Resource Area Impacts (temporary & permanent) (cont'd)

Resource Area, Size of Proposed Alteration, Proposed Replacement (if any)
d. [X] Bordering Land Subject to Flooding
e. [ ] Isolated Land Subject to Flooding
f. [ ] Riverfront Area
2. Width of Riverfront Area (check one):
[ ] 25 ft. - Designated Densely Developed Areas only
[ ] 100 ft. - New agricultural projects only
[ ] 200 ft. - All other projects
3. Total area of Riverfront Area on the site of the proposed project:
4. Proposed alteration of the Riverfront Area:
5. Has an alternatives analysis been done and is it attached to this NOI?
6. Was the lot where the activity is proposed created prior to August 1, 1996?

3. [X] Coastal Resource Areas: (See 310 CMR 10.25-10.35)

Check all that apply below. Attach narrative and supporting documentation describing how the project will meet all performance standards for each of the resource areas altered, including standards requiring consideration of alternative project design or location.

Online Users: Include your document transaction number (provided on your receipt page) with all supplementary information you submit to the Department.

Resource Area, Size of Proposed Alteration, Proposed Replacement (if any)
a. [ ] Designated Port Areas
b. [ ] Land Under the Ocean
c. [ ] Barrier Beach
d. [ ] Coastal Beaches
e. [ ] Coastal Dunes



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B. Buffer Zone & Resource Area Impacts (temporary & permanent) (cont'd)

Table with 3 columns: Resource Type, Size of Proposed Alteration, Proposed Replacement (if any). Rows include Coastal Banks, Rocky Intertidal Shores, Salt Marshes, Land Under Salt Ponds, Land Containing Shellfish, Fish Runs, and Land Subject to Coastal Storm Flowage.

4. Restoration/Enhancement
If the project is for the purpose of restoring or enhancing a wetland resource area in addition to the square footage that has been entered in Section B.2.b or B.3.h above, please enter the additional amount here.

a. square feet of BVW
b. square feet of Salt Marsh

C. Other Applicable Standards and Requirements

Streamlined Massachusetts Endangered Species Act/Wetlands Protection Act Review

1. Is any portion of the proposed project located in Estimated Habitat of Rare Wildlife as indicated on the most recent Estimated Habitat Map of State-Listed Rare Wetland Wildlife published by the Natural Heritage and Endangered Species Program (NHESP)? To view habitat maps, see the Massachusetts Natural Heritage Atlas or go to http://www.mass.gov/dfwele/dfw/nhosp/nhregmap.htm.

a. Yes No If yes, include proof of mailing or hand delivery of NOI to:

Natural Heritage and Endangered Species Program
Division of Fisheries and Wildlife
Route 135, North Drive
Westborough, MA 01581

Oct. 2008
b. Date of map

If yes, the project is also subject to Massachusetts Endangered Species Act (MESA) review (321 CMR 10.18). To qualify for a streamlined, 30-day, MESA/Wetlands Protection Act review, please complete Section C.1.C, and include requested materials with this Notice of Intent (NOI); OR complete Section C.1.d, if applicable. If MESA supplemental information is not included with the NOI, by completing Section 1 of this form, the NHESP will require a separate MESA filing which may take up to 90 days to review (unless noted exceptions in Section 2 apply, see below).



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## C. Other Applicable Standards and Requirements (cont'd)

1. c. Submit Supplemental Information for Endangered Species Review \*

1.  Percentage/acreage of property to be altered:
  - (a) within wetland Resource Area \_\_\_\_\_  
percentage/acreage
  - (b) outside Resource Area \_\_\_\_\_  
percentage/acreage
2.  Assessor's Map or right-of-way plan of site
3.  Project plans for entire project site, including wetland resource areas and areas outside of wetlands jurisdiction, showing existing and proposed conditions, existing and proposed tree/vegetation clearing line, and clearly demarcated limits of work \*\*
  - (a)  Project description (including description of impacts outside of wetland resource area & buffer zone)
  - (b)  Photographs representative of the site
  - (c)  MESA filing fee (fee information available at: <http://www.mass.gov/dfwele/dfw/nhesp/nhenvmesa.htm>)  
Make check payable to "Natural Heritage & Endangered Species Fund" and **mail to NHESP** at above address  
*Projects altering 10 or more acres of land, also submit:*
  - (d)  Vegetation cover type map of site
  - (e)  Project plans showing Priority & Estimated Habitat boundaries

d. OR Check One of the Following

1.  Project is exempt from MESA review.  
Attach applicant letter indicating which MESA exemption applies. (See 321 CMR 10.14, <http://www.mass.gov/dfwele/dfw/nhesp/nhenvexemptions.htm>; the NOI must still be sent to NHESP if the project is within estimated habitat pursuant to 310 CMR 10.37 and 10.59.)
2.  Separate MESA review ongoing.
 

a. NHESP Tracking Number	b. Date submitted to NHESP
--------------------------	----------------------------
3.  Separate MESA review completed.  
Include copy of NHESP "no Take" determination or valid Conservation & Management Permit with approved plan.

\* Some projects **not** in Estimated Habitat may be located in Priority Habitat, and require NHESP review (see [www.nhosp.org](http://www.nhosp.org) regulatory review tab). Priority Habitat includes habitat for state-listed plants and strictly upland species not protected by the Wetlands Protection Act.

\*\* MESA projects may not be segmented (321 CMR 10.16). The applicant must disclose full development plans even if such plans are not required as part of the Notice of Intent process.



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## C. Other Applicable Standards and Requirements (cont'd)

2. For coastal projects only, is any portion of the proposed project located below the mean high water line or in a fish run?

a.  Not applicable – project is in inland resource area only

b.  Yes  No If yes, include proof of mailing or hand delivery of NOI to either:

South Shore - Cohasset to Rhode Island, and the Cape & Islands:

North Shore - Hull to New Hampshire:

Division of Marine Fisheries - Southeast Marine Fisheries Station  
Attn: Environmental Reviewer  
838 South Rodney French Blvd.  
New Bedford, MA 02744

Division of Marine Fisheries - North Shore Office  
Attn: Environmental Reviewer  
30 Emerson Avenue  
Gloucester, MA 01930

Also if yes, the project may require a Chapter 91 license. For coastal towns in the Northeast Region, please contact MassDEP's Boston Office. For coastal towns in the Southeast Region, please contact MassDEP's Southeast Regional Office.

3. Is any portion of the proposed project within an Area of Critical Environmental Concern (ACEC)?

a.  Yes  No If yes, provide name of ACEC (see instructions to WPA Form 3 or MassDEP Website for ACEC locations). **Note:** electronic filers click on Website.

b. ACEC

4. Is any portion of the proposed project within an area designated as an Outstanding Resource Water (ORW) as designated in the Massachusetts Surface Water Quality Standards, 314 CMR 4.00?

a.  Yes  No

5. Is any portion of the site subject to a Wetlands Restriction Order under the Inland Wetlands Restriction Act (M.G.L. c. 131, § 40A) or the Coastal Wetlands Restriction Act (M.G.L. c. 130, § 105)?

a.  Yes  No

6. Is this project subject to provisions of the MassDEP Stormwater Management Standards?

a.  Yes. Attach a copy of the Stormwater Report as required by the Stormwater Management Standards per 310 CMR 10.05(6)(k)-(q) and check if:

- 1.  Applying for Low Impact Development (LID) site design credits (as described in Stormwater Management Handbook Vol. 2, Chapter 3)
- 2.  A portion of the site constitutes redevelopment
- 3.  Proprietary BMPs are included in the Stormwater Management System.

b.  No. Check why the project is exempt:

- 1.  Single-family house
- 2.  Emergency road repair
- 3.  Small Residential Subdivision (less than or equal to 4 single-family houses or less than or equal to 4 units in multi-family housing project) with no discharge to Critical Areas.

**Online Users:**  
Include your document transaction number (provided on your receipt page) with all supplementary information you submit to the Department.



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## D. Additional Information

Applicants must include the following with this Notice of Intent (NOI). See instructions for details.

**Online Users:** Attach the document transaction number (provided on your receipt page) for any of the following information you submit to the Department.

- USGS or other map of the area (along with a narrative description, if necessary) containing sufficient information for the Conservation Commission and the Department to locate the site. (Electronic filers may omit this item.)
- Plans identifying the location of proposed activities (including activities proposed to serve as a Bordering Vegetated Wetland [BVW] replication area or other mitigating measure) relative to the boundaries of each affected resource area.
- Identify the method for BVW and other resource area boundary delineations (MassDEP BVW Field Data Form(s), Determination of Applicability, Order of Resource Area Delineation, etc.), and attach documentation of the methodology.
- List the titles and dates for all plans and other materials submitted with this NOI.

Oak Island Park Improvements

a. Plan Title

City of Revere

b. Prepared By

July 18, 2016

d. Final Revision Date

Michael Kessman

c. Signed and Stamped by

1"=20'

e. Scale

f. Additional Plan or Document Title

g. Date

- If there is more than one property owner, please attach a list of these property owners not listed on this form.
- Attach proof of mailing for Natural Heritage and Endangered Species Program, if needed.
- Attach proof of mailing for Massachusetts Division of Marine Fisheries, if needed.
- Attach NOI Wetland Fee Transmittal Form
- Attach Stormwater Report, if needed.

## E. Fees

- Fee Exempt: No filing fee shall be assessed for projects of any city, town, county, or district of the Commonwealth, federally recognized Indian tribe housing authority, municipal housing authority, or the Massachusetts Bay Transportation Authority.

Applicants must submit the following information (in addition to pages 1 and 2 of the NOI Wetland Fee Transmittal Form) to confirm fee payment:

2. Municipal Check Number

3. Check date

4. State Check Number

5. Check date

6. Payor name on check: First Name

7. Payor name on check: Last Name



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## F. Signatures and Submittal Requirements

I hereby certify under the penalties of perjury that the foregoing Notice of Intent and accompanying plans, documents, and supporting data are true and complete to the best of my knowledge. I understand that the Conservation Commission will place notification of this Notice in a local newspaper at the expense of the applicant in accordance with the wetlands regulations, 310 CMR 10.05(5)(a).

I further certify under penalties of perjury that all abutters were notified of this application, pursuant to the requirements of M.G.L. c. 131, § 40. Notice must be made by Certificate of Mailing or in writing by hand delivery or certified mail (return receipt requested) to all abutters within 100 feet of the property line of the project location.

_____ 1. Signature of Applicant	_____ 2. Date
_____ 3. Signature of Property Owner (if different)	_____ 4. Date
_____ 5. Signature of Representative (if any)	_____ 6. Date

### For Conservation Commission:

Two copies of the completed Notice of Intent (Form 3), including supporting plans and documents, two copies of the NOI Wetland Fee Transmittal Form, and the city/town fee payment, to the Conservation Commission by certified mail or hand delivery.

### For MassDEP:

One copy of the completed Notice of Intent (Form 3), including supporting plans and documents, one copy of the NOI Wetland Fee Transmittal Form, and a **copy** of the state fee payment to the MassDEP Regional Office (see Instructions) by certified mail or hand delivery.

### Other:

If the applicant has checked the "yes" box in any part of Section C, Item 3, above, refer to that section and the Instructions for additional submittal requirements.

The original and copies must be sent simultaneously. Failure by the applicant to send copies in a timely manner may result in dismissal of the Notice of Intent.



**Massachusetts Department of Environmental Protection**  
 Bureau of Resource Protection - Wetlands  
**NOI Wetland Fee Transmittal Form**  
 Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

**Important:** When filling out forms on the computer, use only the tab key to move your cursor - do not use the return key.



**A. Applicant Information**

1. Applicant:

a. First Name \_\_\_\_\_ b. Last Name \_\_\_\_\_

c. Organization \_\_\_\_\_

d. Mailing Address \_\_\_\_\_

e. City/Town \_\_\_\_\_ f. State \_\_\_\_\_ g. Zip Code \_\_\_\_\_

h. Phone Number \_\_\_\_\_ i. Fax Number \_\_\_\_\_ j. Email Address \_\_\_\_\_

2. Property Owner (if different):

a. First Name \_\_\_\_\_ b. Last Name \_\_\_\_\_

c. Organization \_\_\_\_\_

d. Mailing Address \_\_\_\_\_

e. City/Town \_\_\_\_\_ f. State \_\_\_\_\_ g. Zip Code \_\_\_\_\_

h. Phone Number \_\_\_\_\_ i. Fax Number \_\_\_\_\_ j. Email Address \_\_\_\_\_

3. Project Location:

a. Street Address \_\_\_\_\_ b. City/Town \_\_\_\_\_

**B. Fees**

The fee should be calculated using the following six-step process and worksheet. **Please see Instructions before filling out worksheet.**

**Step 1/Type of Activity:** Describe each type of activity that will occur in wetland resource area and buffer zone.

**Step 2/Number of Activities:** Identify the number of each type of activity.

**Step 3/Individual Activity Fee:** Identify each activity fee from the six project categories listed in the instructions.

**Step 4/Subtotal Activity Fee:** Multiply the number of activities (identified in Step 2) times the fee per category (identified in Step 3) to reach a subtotal fee amount. Note: If any of these activities are in a Riverfront Area in addition to another Resource Area or the Buffer Zone, the fee per activity should be multiplied by 1.5 and then added to the subtotal amount.

**Step 5/Total Project Fee:** Determine the total project fee by adding the subtotal amounts from Step 4.

**Step 6/Fee Payments:** To calculate the state share of the fee, divide the total fee in half and subtract \$12.50. To calculate the city/town share of the fee, divide the total fee in half and add \$12.50.

To calculate filing fees, refer to the category fee list and examples in the instructions for filling out WPA Form 3 (Notice of Intent).



**Massachusetts Department of Environmental Protection**  
 Bureau of Resource Protection - Wetlands  
**NOI Wetland Fee Transmittal Form**  
 Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

**B. Fees** (continued)

Step 1/Type of Activity	Step 2/Number of Activities	Step 3/Individual Activity Fee	Step 4/Subtotal Activity Fee

**Step 5/Total Project Fee:** \_\_\_\_\_

**Step 6/Fee Payments:**

Total Project Fee: \_\_\_\_\_  
 a. Total Fee from Step 5

State share of filing Fee: \_\_\_\_\_  
 b. 1/2 Total Fee **less** \$12.50

City/Town share of filing Fee: \_\_\_\_\_  
 c. 1/2 Total Fee **plus** \$12.50

**C. Submittal Requirements**

- a.) Complete pages 1 and 2 and send with a check or money order for the state share of the fee, payable to the Commonwealth of Massachusetts.

Department of Environmental Protection  
 Box 4062  
 Boston, MA 02211

- b.) **To the Conservation Commission:** Send the Notice of Intent or Abbreviated Notice of Intent; a **copy** of this form; and the city/town fee payment.

**To MassDEP Regional Office** (see Instructions): Send a copy of the Notice of Intent or Abbreviated Notice of Intent; a **copy** of this form; and a **copy** of the state fee payment. (E-filers of Notices of Intent may submit these electronically.)

CITY OF REVERE, MASSACHUSETTS

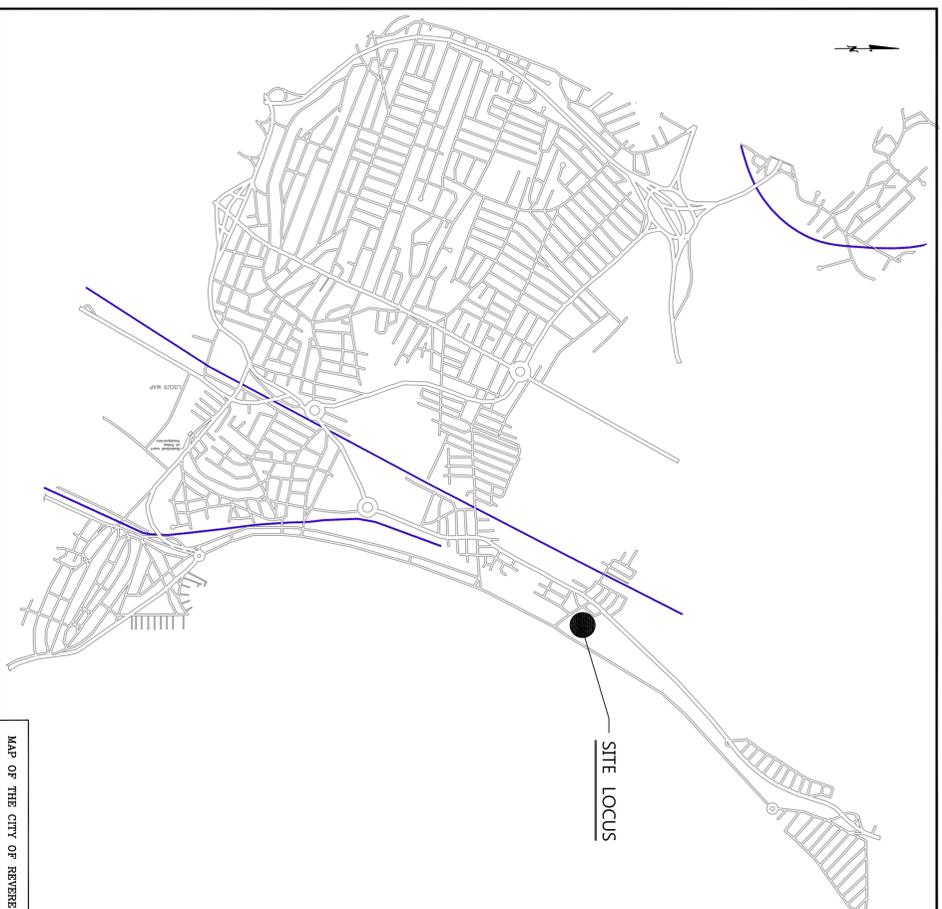
OAK ISLAND PARK REHABILITATION PROJECT

CONTRACT NO. DPCCD-2016-1011

MAYOR  
BRIAN ARRIGO

DEPARTMENT OF COMMUNITY AND ECONOMIC DEVELOPMENT  
JOHN FESTA, DIRECTOR

PROJECT ENGINEER  
MICHAEL KESSMAN, EIT



DRAWING INDEX

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	EXISTING CONDITIONS, SITE PREP AND DEMO PLAN
3	IRRIGATION SYSTEM SUGGESTED LAYOUT PLAN
4	PROPOSED LAYOUT PLAN
5	DETAIL SHEET 1
6	DETAIL SHEET 2
7	DETAIL SHEET 3

THE EXISTING AND PROPOSED INFORMATION CONTAINED WITHIN THIS PLAN IS TO SERVE AS A GUIDE ONLY. THE ACCURACY OF THE EXISTING CONDITIONS INFORMATION SHOWN IS NOT GUARANTEED TO BE FULLY ACCURATE. PRIOR TO BREAKING GROUND, THE CONTRACTOR IS RESPONSIBLE FOR HIS OWN THOROUGH INVESTIGATION AS TO THE EXISTING CONDITIONS OF THE VARIOUS PROJECT AREAS. ONLY AFTER THE CONTRACTOR HAS COMPLETED SUCH INVESTIGATION AND SATISFIED HIMSELF AS TO THE LOCATION OF ALL EXISTING UNDERGROUND INFRASTRUCTURE MAY HE BREAK GROUND AND BEGIN WORKING UNDER THIS CONTRACT.



*The City of*  
**REVERE, MASSACHUSETTS**  
281 Broadway, Revere, MA 02151  
(781) 286-8152  
Honorable Mayor Brian Arrigo

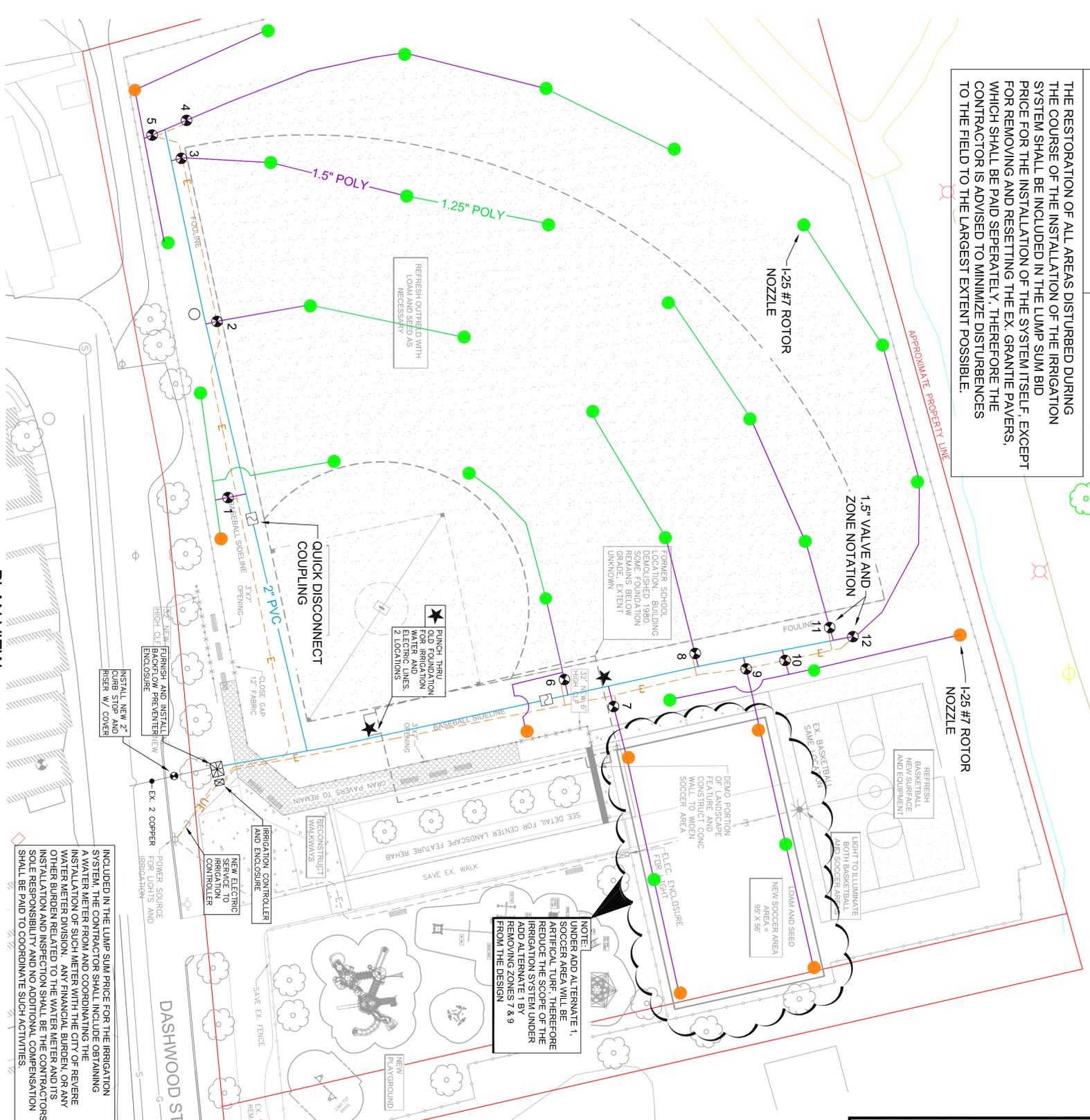
OAK ISLAND PARK  
REHABILITATION PROJECT

Scale: As Noted  
Job No./File Name  
OAK ISLAND PARK.DWG  
Design by: MBK  
Drawn by: MBK  
Date: July 18, 2016  
Sheet No.  
1 of 7



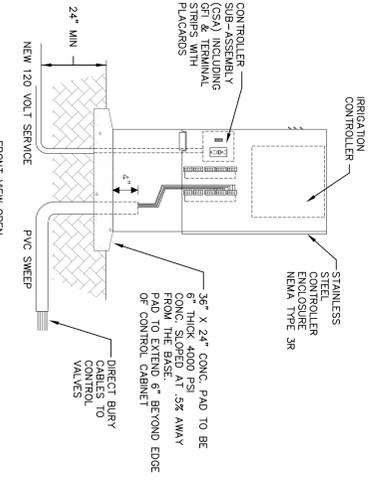
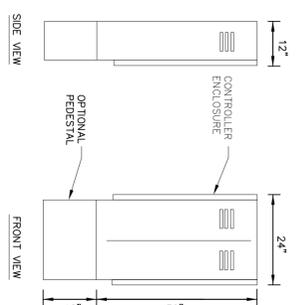
**RESTORATION OF THE OUTFIELD:**

THE RESTORATION OF ALL AREAS DISTURBED DURING THE COURSE OF THE INSTALLATION OF THE IRRIGATION SYSTEM SHALL BE INCLUDED IN THE LUMP SUM BID PRICE FOR THE INSTALLATION OF THE SYSTEM ITSELF. EXCEPT FOR REMOVING AND RESETTLE THE EX. GRANITE PAVERS, WHICH SHALL BE PAID SEPARATELY. THEREFORE THE CONTRACTOR IS ADVISED TO MINIMIZE DISTURBANCES TO THE FIELD TO THE LARGEST EXTENT POSSIBLE.



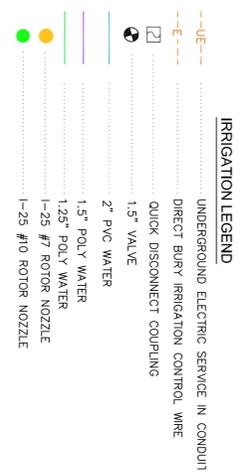
**ADD ALTERNATE NOTE:**

UNDER THE BASE BID, THE SOCCER AREA IS TO BE TURF WITH IRRIGATION INSTALLED.  
 UNDER ADD ALTERNATE 1, THE SOCCER AREA IS TO BE ARTIFICIAL TURF WITHOUT IRRIGATION INSTALLED  
 THE IRRIGATION SYSTEM HAS BEEN DESIGNED SO THAT ZONES #7 AND #9 SERVE THE BASE BID TURF AREA, HENCE THE COST OF ZONES #7 & #9 ARE TO BE REMOVED FROM THE BASE BID PRICE WHEN COMPUTING THE ADD ALTERNATE 1 BID PRICE. SEE BID TAB FORM FORMATTING OF THE ADD ALTERNATE BID.  
 ITEMS TO BE SUBTRACTED FROM THE IRRIGATION SYSTEM UNDER THE ADD ALTERNATE 1 ARE TO INCLUDE THE (2) 1.5\"/>



- NOTES:**
1. BACKFLOW PREVENTER TO BE STRONGBOX SB-2455 OR APPROVED EQUAL, FULLY FACTORY FABRICATED AND SET CONTAINED ABOVE GROUND BACKFLOW PREVENTER.
  2. ENCLOSURE TO BE WEATHER AND VANDAL RESISTANT AND MANUFACTURED ENTIRELY OF STAINLESS STEEL. MAIN HOUSING TO BE LOUVERED FOR VENTILATION. LOUVERS TO BE COVERED BY FILTER SCREENS TO DETERMINE WATER SPRAY.
  3. STAINLESS STEEL BACKBOARD SHALL BE MOUNTED ON FOUR STAINLESS BOLTS FOR THE APPROPRIATE STORAGE OF PLANS, OPERATING INSTRUCTIONS ETC.
  4. SHALL INCLUDE A SECURE LOCKING MECHANISM
  5. ENCLOSURE TO BE A NEMA TYPE 3R RAINPROOF ENCLOSURE AS LISTED BY UNDERWRITER LABS.

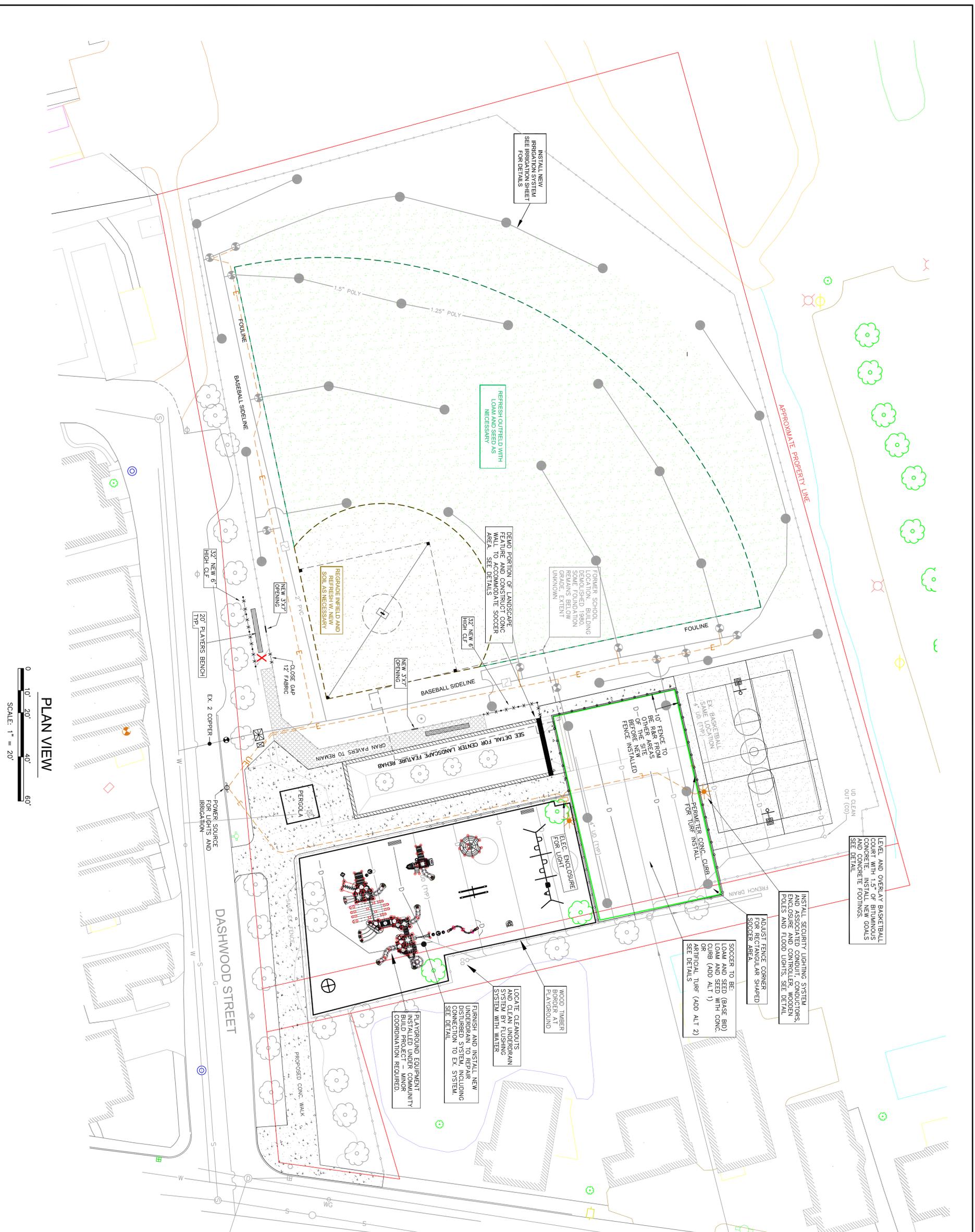
THE IRRIGATION SYSTEM SHOWN ON THIS PLAN IS TO SERVE AS A GUIDE ONLY. THE CONTRACTOR IS RESPONSIBLE FOR HIS OWN IRRIGATION SYSTEM DESIGN, WHICH SHALL MEET THE FUNCTION AND DESIGN OF THIS SYSTEM IN TERMS OF COVERAGE, ZONE SEPARATION, QUALITY OF MATERIALS AND PERFORMANCE.



- NOTE:**
1. PVC ISOLATION BALL VALVE TO BE INSTALLED BEFORE EACH ZONE.
  2. SYSTEM DESIGNED FOR 31 GPM AT A MINIMUM OF 50 PSI AT THE HEAD WITH REPORTED STATIC PRESSURE OF 58 PSI.
  3. PRESSURE LOSS THROUGH THE MAIN LINE TO THE FURTHEST HEAD IS 6 PSI.
  4. PRESSURE LOSSES THRU 2\"/>
- NOTE:**
1. BACKFLOW PREVENTER TO BE STRONGBOX SB80-40ALP OR APPROVED EQUAL, FULLY FACTORY FABRICATED AND SET CONTAINED ABOVE GROUND BACKFLOW PREVENTER.
  2. ENCLOSURE TO BE WEATHER AND VANDAL RESISTANT AND MANUFACTURED ENTIRELY OF MARINE GRADE ALUMINUM ALLOY, TYPE 5052-H32, WITH A MIN. 1/8\"/>

*The City of*  
**REVERE, MASSACHUSETTS**  
 Planning Department  
 281 Broadway, Revere, MA 02151  
 (781) 286-8152  
 Honorable Mayor Brian Arrigo

**OAK ISLAND PARK**  
**IRRIGATION SYSTEM SHEET**  
 Scale: As Noted  
 Job No./File Name: Oak Island Park.Dwg  
 Drawn by: MBK  
 Date: July 18, 2016  
 Plan No.



**PLAN VIEW**

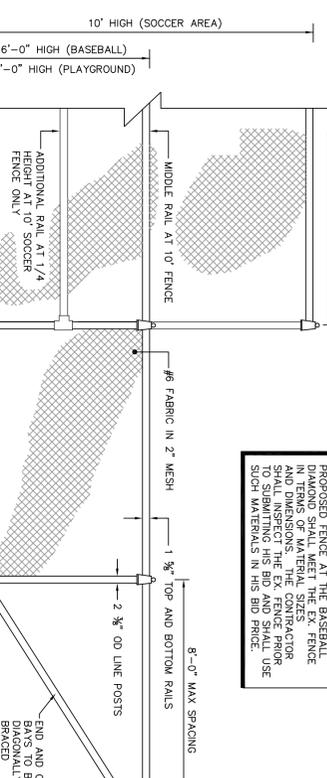
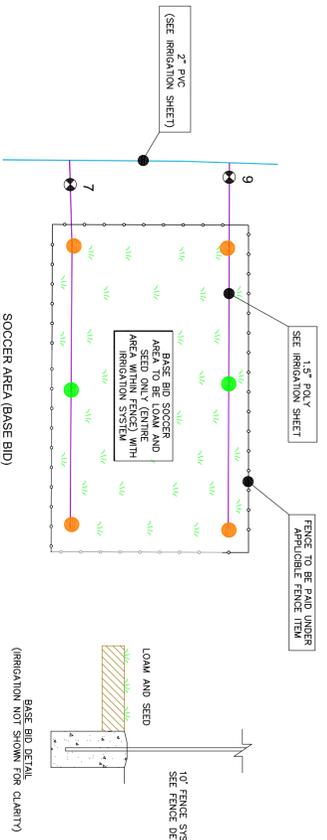


*The City of*  
**REVERE, MASSACHUSETTS**  
Planning Department  
281 Broadway, Revere, MA 02151  
(781) 286-8152  
Honorable Mayor Brian Arrigo

**OAK ISLAND PARK**  
**PROPOSED LAYOUT SHEET**

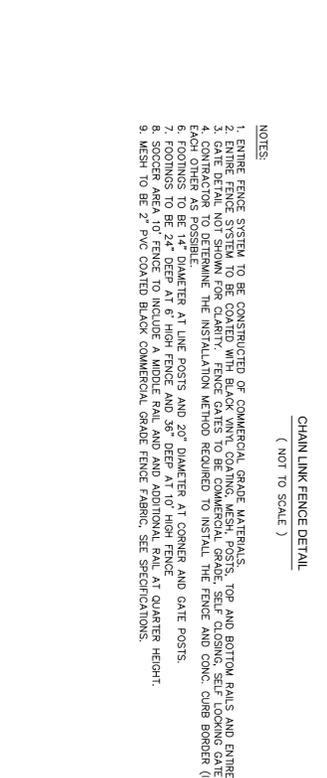
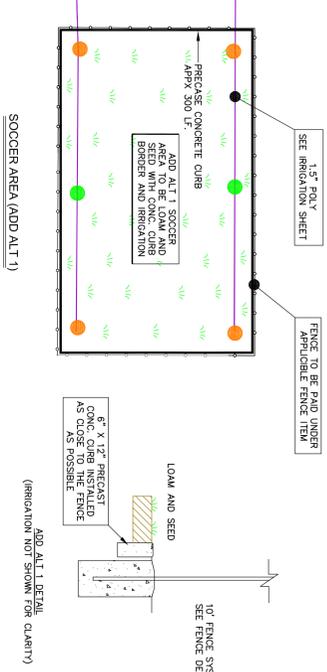
Scale: As Noted  
Job No./File Name  
Oak Island Park.Dwg  
Date: July 18, 2016  
Plan No.  
Drawn by: MBK

**ADD ALTERNATE BID STRUCTURE DETAIL FOR CLARIFICATION**



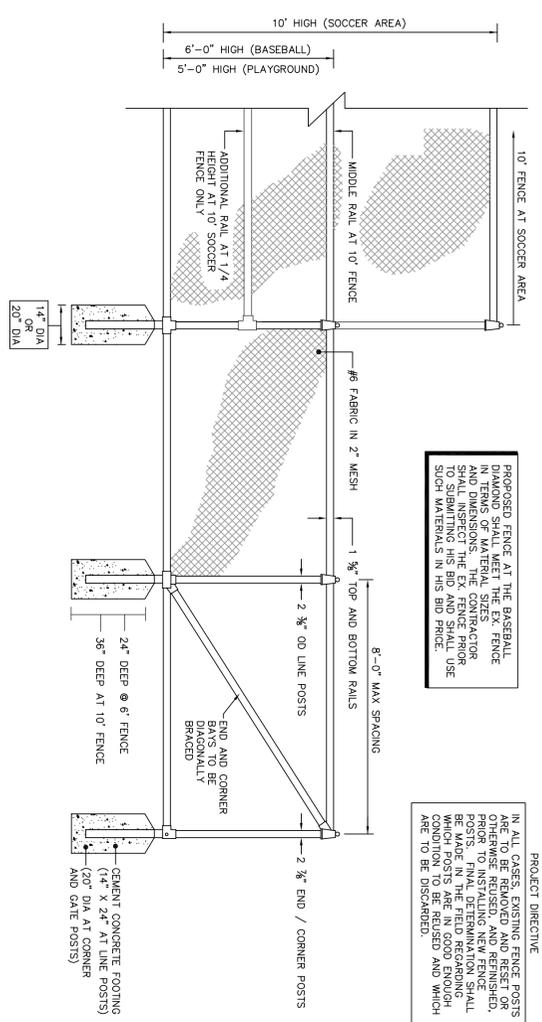
NOTE:  
1. UNDER THE BASE BID, THE SOCCER AREA IS TO BE LOAM AND SEED WITH IRRIGATION SYSTEM ZONES 7 AND 9 SERVING THE AREA.  
2. LOAM AND SEED SOCCER AREA TO BE PAID UNDER ITEM XX.  
3. IRRIGATION TO BE PAID UNDER ITEM XX.  
XX = LOAM AND SEED

NOTE:  
1. UNDER ALTERNATE 1, A PRECAST CONCRETE CURB SHALL BE INSTALLED WHICH SHALL SERVE AS A BORDER FOR THE ARTIFICIAL TURF. TURF TO BE INSTALLED WITHIN THE SOCCER AREA.  
2. LOAM AND SEED AT SOCCER AREA TO BE PAID UNDER ITEM XX.  
3. IRRIGATION AND LOAM AND SEED SOCCER AREA TO REMAIN UNDER ADD ALT 1.  
XX = LOAM AND SEED



NOTE:  
1. UNDER ALTERNATE 1, A PRECAST CONCRETE CURB SHALL BE INSTALLED WHICH SHALL SERVE AS A BORDER FOR THE ARTIFICIAL TURF. TURF TO BE INSTALLED WITHIN THE SOCCER AREA.  
2. LOAM AND SEED AT SOCCER AREA TO BE PAID UNDER ITEM XX.  
3. IRRIGATION AND LOAM AND SEED SOCCER AREA TO REMAIN UNDER ADD ALT 1.  
XX = LOAM AND SEED

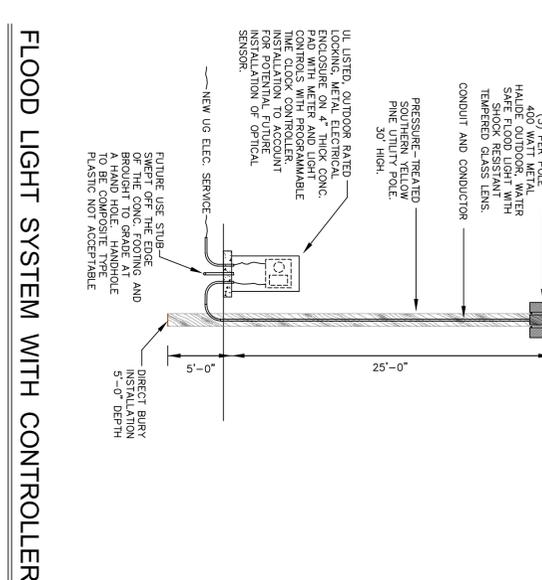
NOTE:  
1. UNDER ALTERNATE 2, THE SOCCER AREA SHALL BE ARTIFICIAL TURF AND THE BID PRICE FOR THE TURF SHALL INCLUDE AN ADJUSTMENT FOR REMOVING THE PRECAST CONCRETE CURB AND REINSTALLING THE ARTIFICIAL TURF. BASE BID LOAM AND SEED SOCCER AREA (ITEM XX) FROM THE ADD ALTERNATE 2 BID TOTAL.  
ADD ALT 2 = BASE BID + BID PRICE FOR ADD ALT 1 + BID PRICE FOR ADD ALT 2 - ADJUSTMENT FOR IRRIGATION SYSTEM  
- ITEM XX (LOAM AND SEED SOCCER AREA) = \_\_\_\_\_



CHAIN LINK FENCE DETAIL  
(NOT TO SCALE)

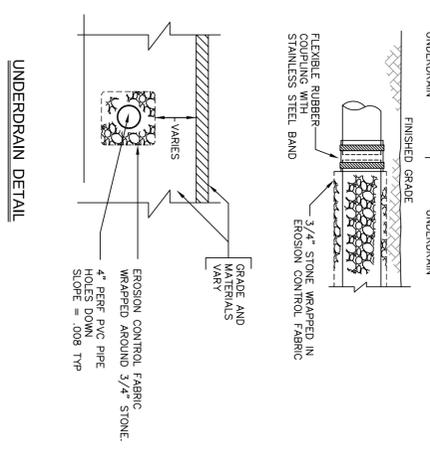
NOTE:  
1. ENTIRE FENCE SYSTEM TO BE CONSTRUCTED OF COMMERCIAL GRADE MATERIALS.  
2. TOP AND BOTTOM RAILS AND ENTIRE GATE SYSTEM INCLUDED.  
3. GATE DETAIL NOT SHOWN FOR CLARITY. FENCE GATES TO BE COMMERCIAL GRADE, SELF-CLOSING, SELF-LOOKING GATE SYSTEMS.  
4. CONTRACTOR TO DETERMINE THE INSTALLATION METHOD REQUIRED TO INSTALL THE FENCE AND GATE SYSTEMS.  
5. EACH OTHER AS BE POSSIBLE.  
6. QUARTERS AT LINE POSTS AND 20" DIAMETERS AT CORNER AND GATE POSTS.  
7. FOOTINGS TO BE 24" DEEP AT 6" HIGH FENCE AND 36" DEEP AT 10" HIGH FENCE.  
8. SOCCER AREA 10' FENCE TO INCLUDE A MIDDLE RAIL AND AN ADDITIONAL RAIL AT QUARTER HEIGHT.  
9. MESH TO BE 2" PVC COATED BLACK COMMERCIAL GRADE FENCE FABRIC. SEE SPECIFICATIONS.

PROJECT DIRECTIVE  
IN ALL CASES, EXISTING FENCE POSTS ARE TO BE REMOVED AND RESET OR REUSED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF EXISTING UTILITIES PRIOR TO INSTALLING NEW FENCE POSTS. THE FIELD CONDITIONS WHICH POSTS ARE REUSED THROUGHOUT THE PROJECT SHALL BE DISCUSSED AND WHICH ARE TO BE DISCARDED.



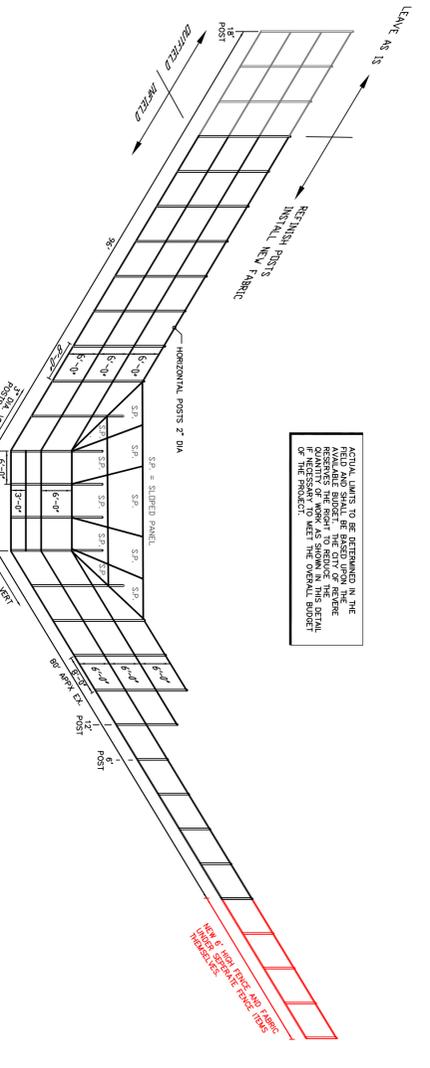
**FLOOD LIGHT SYSTEM WITH CONTROLLER**

NOTE:  
1. INSTALLATION TO USE INDUSTRY STANDARD, NEW UL RATED, OUTDOOR RATED COMPONENTS, WHICH ARE TYPICAL FOR INSTALLATION SUCH AS THIS.  
2. POLE TO BE SOUTHERN YELLOW PINE, PRESSURE TREATED, UTILITY POLE. POLE TO BE STRAIGHT AND TRUE AND FREE OF ANY STRUCTURAL DEFECTS.  
3. LIGHTS TO BE LITHONIA FL 400W R42 18 SOVA LP 400 WATT METAL HALIDE MEDIUM FLOODLIGHT (OR APPROVED EQUAL).  
4. ENCLOSURE TO BE A METAL, OUTDOOR RATED, LOOKING, WATER PROOF ENCLOSURE, MINIMALLY SIZED TO HOLD THE REQUIRED COMPONENTS, INCLUDING BUT NOT LIMITED TO, WETTER PROGRAMMABLE TIME CLOCK AND ALL OTHER REQUIRED ELECTRICAL COMPONENTS TO ENSURE A FULLY FUNCTIONAL LIGHTING SYSTEM BY THE TIME THE CLOCK IS OPERATIONAL. REC. STAFF CAN ACCESS THE CONTROLLER AND ENTER PROGRAM AND REPROGRAM THE TIME CLOCK AS NEEDED.  
5. THE INSTALLATION SHALL INCLUDE AN ON-SITE TRAINING FOR CITY STAFF TO INTRODUCE THE APPROPRIATE STAFF MEMBER TO THE SYSTEM AND SO THEY CAN FULLY TRAINED IN OPERATING THE TIME CLOCK AND PROGRAMMABLE CONTROLS.  
6. CONTRACTOR TO COORDINATE ALL REQUIRED PERMITS AND INSPECTIONS. THE INSTALL SHALL MEET ALL APPLICABLE LOCAL, STATE AND FEDERAL CODES.



**UNDERDRAIN DETAIL**

NOTE:  
1. WORK SHALL INCLUDE ALL EXCAVATION, BACKFILL, ALL TOOLS, EQUIPMENT, LABOR AND MATERIALS REQUIRED TO COMPLETE THE WORK, INCLUDING THE CONNECTIONS TO THE EX. UNDER DRAIN SYSTEM.  
2. THE CONTRACTOR SHALL USE EXTREME CARE WHILE COMPLETING WORK UNDER THE SITE PREP AND DEMO ITEM SUCH THAT NO DAMAGE TO THE EXISTING SYSTEM IS CAUSED.  
3. WHEN ABANDONING EX. UNDER DRAIN IN PLACE, THE PROPOSED END SHALL BE SUFFICIENTLY CAPPED SUCH THAT NO UNDERGROUND MATERIALS WILL MIGRATE INTO THE ABANDONED SYSTEM.  
4. IF THE SCOPE REQUIREMENT CAN NOT BE MET BASED ON THE FINISHED FIELD GRADES AND CONSIDERING THE ESTABLISHED GRADE OF THE EX. SYSTEM, THE PROPOSED SYSTEM SHALL BE INSTALLED FLAT.  
5. THE PROPOSED UNDERDRAIN EQUIPMENT SHALL BE INSTALLED AROUND THE PERIMETER OF THE EX. UNDERDRAIN SYSTEM. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF EXISTING UTILITIES PRIOR TO INSTALLING NEW UNDERDRAIN EQUIPMENT. THE FIELD CONDITIONS WHICH UNDERDRAIN ARE REUSED THROUGHOUT THE PROJECT SHALL BE DISCUSSED AND WHICH ARE TO BE DISCARDED.



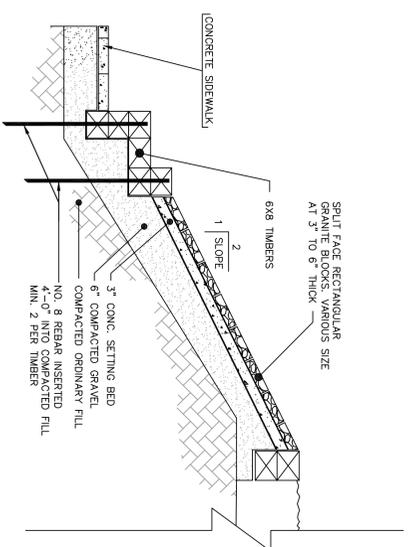
**MESH FABRIC INSTALLATION AND POST REFINISHING DETAIL  
(AT THE EX. BACKSTOP SYSTEM ONLY)**

NOTE:  
1. THE DETAIL SHOWS THE APPROXIMATE LAYOUT OF FENCE POSTS TO BE REFINISHED AND FENCE FABRIC TO BE REPLACED WITH NEW FABRIC.  
2. PAINT TO BE USED TO REFINISH THE POSTS SHALL BE AN ALKYLID (OR APPROVED EQUAL) AND IS TO BE APPLIED WITH A BRUSH OR ROLLER AFTER THE POSTS HAVE BEEN CLEANED.  
3. CLEANING OF THE POSTS SHALL BE COMPLETED WITH A POWER WASHER OR MECHANICALLY POWERED STIFF BRUSH SUCH THAT ALL OLD PAINT SHALL BE FULLY REMOVED FROM THE POSTS AND THE NEW PAINT WILL HAVE A SMOOTH FINISH WITH THE EX. METAL POSTS.  
4. NEW FABRIC INSTALLATION SHALL INCLUDE ALL TOOLS, EQUIPMENT, MATERIALS, LABOR AND INDENTALS REQUIRED TO COMPLETE THE WORK. INCLUDING BUT NOT LIMITED TO, ANY AND ALL ADDITIONAL FENCE HARDWARE, POSTS, CARS ETC. THAT MAY BE REQUIRED TO COMPLETE THE INSTALLATION.  
5. THE CITY OF REVERE HEREBY REQUESTS THE RIGHT TO ALTER THE QUANTITY OF WORK BASED ON ACTUAL FIELD CONDITIONS AND THE REVERSE ENGINEERING OF THE PROJECT. FOR EXAMPLE, IF THE EXISTING FENCE HARDWARE, POSTS, CARS ETC. THAT MAY BE REQUIRED TO COMPLETE THE INSTALLATION IS NOT AVAILABLE, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING THE NECESSARY MATERIALS TO COMPLETE THE WORK.  
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE DIRECTING MENTIONED ABOVE WITH THE CITY OF REVERE FIELD SUPERVISOR.

**The City of  
REVERE, MASSACHUSETTS**  
Planning Department  
281 Broadway, Revere, MA 02151  
(781) 286-8152  
Honorable Mayor Brian Arrigo

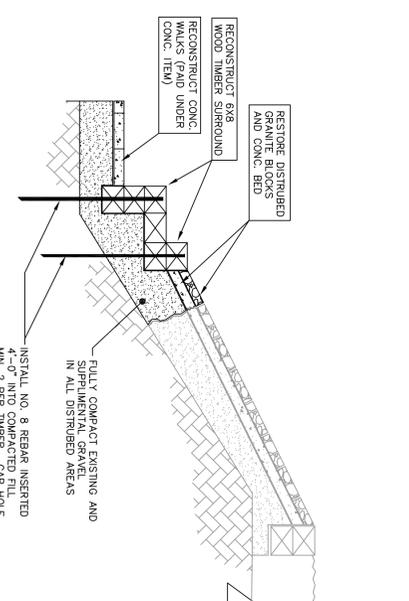
**DETAIL SHEET 1**

Scale: As Noted  
Job No./File Name: OAK Island Park.Dwg  
Date: January 21, 2016  
Plan No.  
Drawn by: MBK



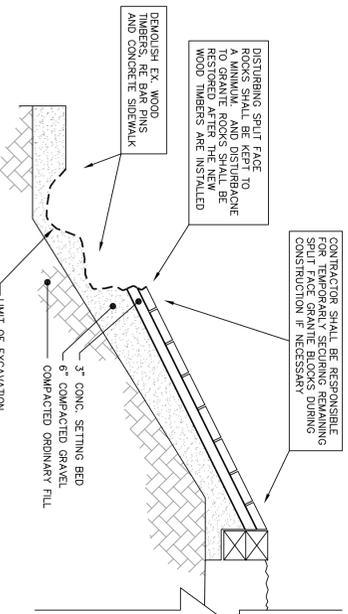
**EXISTING CONDITION**

- NOTES:
1. EXISTING CONDITION BASED ON ORIGINAL DESIGN PLAN DATED JAN 26, 1981.
  2. THE CONTRACTOR IS ADVISED THAT THE CONDITIONS FOUND IN THE FIELD MAY DEVIATE SLIGHTLY FROM THAT SHOWN ABOVE.



**RESTORED CONDITION**

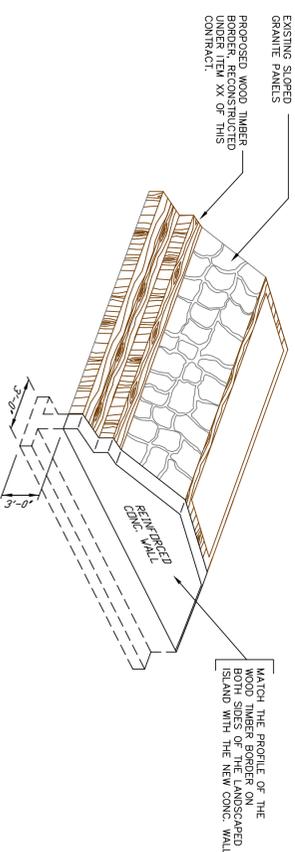
- NOTES:
1. UNDER THE LUMP SUM BID PRICE FOR THE REBAR OF THE CENTER LANDSCAPE FEATURE, ALL WORK AND MATERIALS SHALL BE COVERED INCLUDING RESTORING ALL DISTURBED AREAS, EXCEPT FOR THE CONCRETE INSTALLATION, WHICH SHALL BE PAID SEPARATELY.
  2. THERE CONTRACTOR IS HEREBY ADVISED, IT SHALL BE HIS RESPONSIBILITY TO TEMPORARILY SECURE THE EXISTING GRANITE BERM AND REBAR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REBAR TO REMAIN. HE IS TO ACCOUNT FOR SUCH ACTIVITIES IN THE LUMP SUM BID PRICE FOR THE RESTORATION OF THE WOOD BORDER ITSELF.



**DEMOLISHED CONDITION**

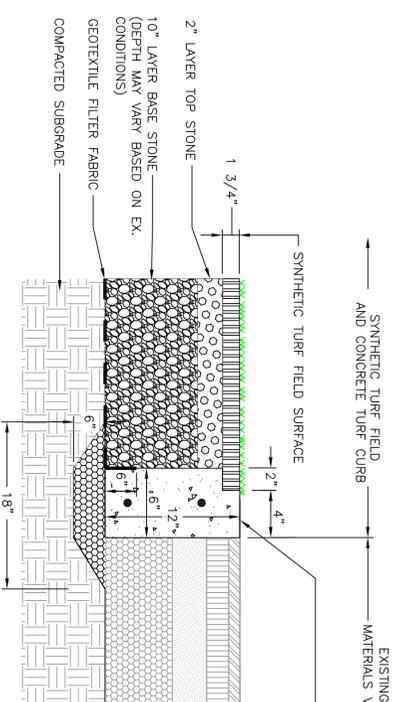
- NOTES:
1. THE CONTRACTOR SHALL BE PREPARED TO DISTURB THE LOWEST GRANITE BLOCK, CLOSEST TO THE EXCAVATION, WHILE COMPLETING WORK UNDER THIS ITEM.
  2. ALL SUCH DISTURBANCES TO THE EXISTING GRANITE BLOCK SHALL BE REPAIRED BY THE CONTRACTOR, TO THEIR ORIGINAL CONDITION, UNDER THE LUMP SUM PRICE FOR THE REBAR OF THE LANDSCAPE FEATURE ITSELF.
  3. TO THAT END IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO TEMPORARILY SECURE THE REMAINING SLOPED GRANITE BLOCKS DURING THE COURSE OF CONSTRUCTION BY WHATEVER MEANS NECESSARY TO ENSURE THE BLOCKS WHICH ARE TO REMAIN ARE NOT DISTURBED.
  4. FURTHER, IF THE MEANS AND METHODS TO ACHIEVE THE DIRECTIVE IN NOTE 3 FAIL TO SECURE THE BLOCKS AND DAMAGE IS CAUSED TO THE BLOCKS, ALL DAMAGED / DISTURBED BLOCKS SHALL BE RE-INSTALLED / BROUGHT BACK TO THEIR ORIGINAL CONDITION.

**SECTIONS AND ISOMETRIC DETAIL SHOWING REHABILITATION OF LANDSCAPED SLOPED GRANITE BERM WITH WOOD BORDER**



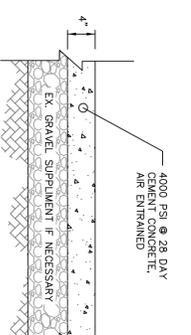
**REINFORCED CONC. WALL AT RAISED LANDSCAPED FEATURE**

- NOTES:
1. THIS DETAIL IS TO BE USED AS A GUIDE TO SHOW THE SHAPE AND PROFILE OF THE PROPOSED REINFORCED CONCRETE WALL.
  2. CONTRACTOR SHALL BE RESPONSIBLE FOR SUBMITTING A FINAL WALL DESIGN TO THE CITY OF REVERE ENGINEERING DEPARTMENT PRIOR TO CONSTRUCTING THE WALL.
  3. SUCH DESIGN SHALL INCLUDE RE-BAR DETAILS AND SHALL BE SUBJECT TO THE APPROVAL OF THE CITY ENGINEER.
  4. THE WALL SHALL BE CONSTRUCTED OF 4,000 PSI CONC. @ 28 DAYS.



**SYNTHETIC TURF FIELD / CONCRETE TURF CURB**

- NOTES:
1. TURF CURB TO BE INSTALLED UNDER ADD ALTERNATE 1, AND IS TO BE 4000 PSIG CONCRETE W/ REINFORCEMENT TOP TO BE FINISHED TO A SMOOTH FINISH SUCH THAT THE CURB HAS A VISUAL APPEARANCE TO A THE CURB OVERLIE CURB PROFILES.
  2. SYNTHETIC TURF TO BE INSTALLED UNDER ADD ALTERNATE 2, AND SHALL INCLUDE ALL REQUIRED SUB-GRADE MATERIALS SHOWN IN THIS DETAIL, INCLUDING THE 2\"/>
  - 3. DUE TO THE EXISTING UNDERDRAIN SYSTEM, IF A CONFLICT EXISTS BETWEEN THE DEPTH OF THE BASE STONE LAYER AND THE EX. UNDERDRAIN SYSTEM, THE BASE STONE LAYER DEPTH SHALL BE ADJUSTED ACCORDINGLY, IN TERMS OF EITHER INCREASING OR DECREASING ITS DEPTH.
  - 4. INSTALLATION OF THE GEOTEXTILE FILTER FABRIC SHALL BE INCLUDED IN THE LUMP SUM BID PRICE.
  - 5. IN THE EVENT ADD ALTERNATE 1 IS FUNDED, BUT NOT ADD ALTERNATE 2, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REBAR AND REBAR INSTALLATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REBAR TO REMAIN. HE IS TO ACCOUNT FOR SUCH ACTIVITY IN THE BID PRICE FOR THE IRRIGATION SYSTEM ITSELF.



**TYPICAL SIDEWALK SECTION**

- NOTES:
1. CONCRETE TO BE 4000 PSIG COMPRESSIVE STRENGTH @ 28 DAYS, 3/4\"/>
  - 2. CONCRETE TO HAVE A BROUDED TEXTURE WITH A FULL PICTURE FRAME FINISH AT THE OUTSIDE BORDER AND AT JOINTS.
  - 3. EXPANSION JOINT TO BE FOAM RUBBER PLASTIC EXPANSION, NOT BIDUASTIC EXPANSION JOINT.
  - 4. EXPANSION JOINTS TO BE INSTALLED ACCORPING TO MASS HIGHWAY STANDARDS.
  - 5. IF CONCRETE SHOWS SIGNS OF SPALLING OR OTHER SURFACE DEFECTS WITHIN 1 YEAR OF BEING PLACED, THE CONTRACTOR HEREBY AGREES TO THIS WARRANTY PERIOD FOR THE CONCRETE BY SUBMITTING A FORMAL BID FOR THIS CONTRACT.
  - 6. JOINT PATTERN TO BE DETERMINED IN THE FIELD.

CAST IN PLACE CONCRETE TURF CURB WITH 2-#4 REBAR. CONSTRUCT NOTCH IN CURB FOR TURF ATTACHMENT AS DETAILED. ATTACH TURF TO CONC. CURB WITH ADHESIVE AS SPECIFIED.

SEE MEASUREMENT AND PAYMENT SECTION OF TECHNICAL SPECIFICATIONS FOR MORE INFORMATION ON THE ARTIFICIAL TURF REQUIREMENTS.

SECTION 01025 - MEASUREMENT AND PAYMENT

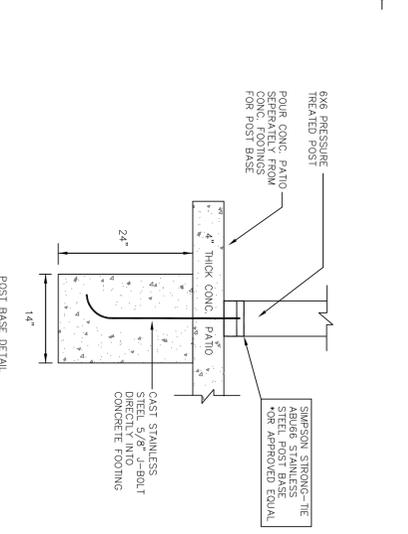
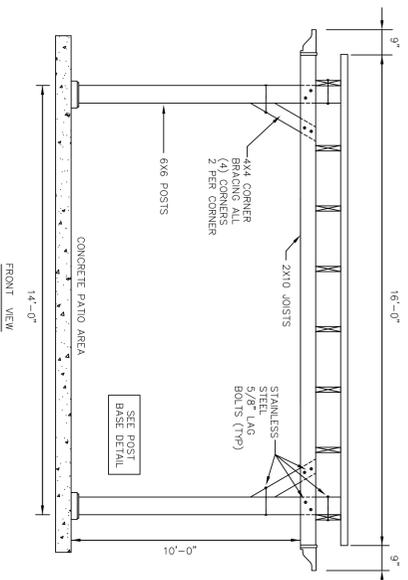
SUBSECTION A 1.1 AND ALL TEXT BELOW

*The City of*  
**REVERE, MASSACHUSETTS**

Planning Department  
281 Broadway, Revere, MA 02151  
(781) 286-8152  
Honorable Mayor Brian Arrigo

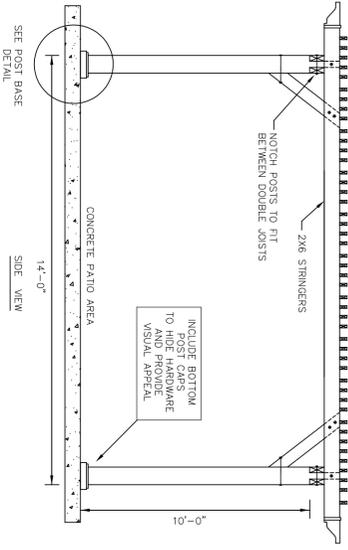
**DETAIL SHEET 2**

Scale: As Noted	Date: January 21, 2016
Job No./File Name Oak Island Park.Dwg	Drawn by: MBK
	Plan No.

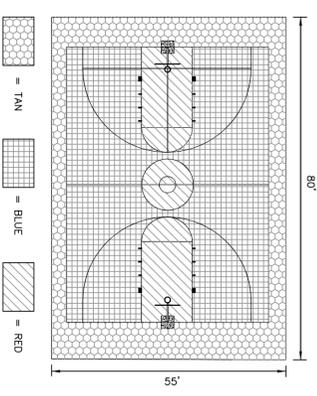


**PERGOLA NOTES:**

1. PERGOLA TO BE CONSTRUCTED OF PRESSURE TREATED SOUTHERN YELLOW PINE
2. CONSTRUCTION TO BE COMPLETED WITH STAINLESS STEEL HARDWARE AND SUCH CONSTRUCTION SHALL BE AS ROBUST AS POSSIBLE SUCH THAT THE PERGOLA CAN WITHSTAND HURRICANE FORCE WINDS.
3. EACH SEPARATE PIECE OF THE PERGOLA IS TO BE CONNECTED WITH HURRICANE TIES (EXCEPT FOR SLAT TO STRINGER CONNECTIONS) AS MANUFACTURED BY SIMPSON STRONG-TIE (MADE IN THE USA) OR APPROVED EQUAL.
4. POST BASE TO BE SET INTO A 14"x24" POURED IN PLACE CONCRETE FOOTING WITH A 5/8" STAINLESS STEEL J BOLT.
5. PERGOLA IS TO BE REBAR FABRICATED BY A CARPENTER WITH AT LEAST 5 YEARS EXPERIENCE IN COMPLETING SIMILAR PROJECTS. GENERAL CONTRACTOR MUST OBTAIN REFERENCES WITH EXAMPLE PROJECTS FOR THE SUB WHO WILL BE COMPLETING THIS WORK. ONLY A LICENSED AND INSURED FINISH CARPENTER MAY BE USED TO CONSTRUCT THE PERGOLA.
6. KIT PERGOLAS WILL NOT BE ACCEPTED. SHOP DRAWINGS SHALL INCLUDE CUT SHEETS ON ALL HARDWARE AND LUMBER TO BE USED IN THE CONSTRUCTION.
7. POSTS TO BE SECURED TO JOISTS WITH 5/8" LAG BOLTS. POSTS TO BE SECURED TO STRINGERS WITH 5/8" LAG BOLTS. CORNER BRACING TO BE SECURED TO POSTS AND JOISTS WITH 5/8" LAG BOLTS. SLATS TO BE SECURED TO STRINGERS WITH #10 3/16" STEEL DECKING SCREWS.



**PRESSURE TREATED PERGOLA WITH STAINLESS STEEL HARDWARE**



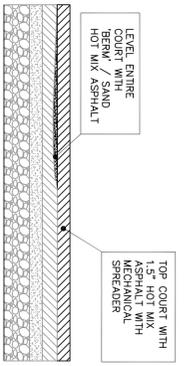
**NOTES:**

1. MORE DETAIL ON DIMENSIONS CAN BE FURNISHED UPON REQUEST, OR SCALE OFF DRAWING FOR DIMENSIONS.
2. PAINT TO BE A WATER BASED ACRYLIC PAINT SPECIFICALLY MANUFACTURED FOR THE PURPOSE OF FINISHING BASKETBALL COURTS, WITH SILICA SAND ADDED FOR GRIP.
3. FINISH TO INCLUDE (2) COATS OF A NEUTRAL BASE COAT (2) COATS OF EACH COLOR AND (2) COATS OF WHITE STRIPES. STRIPES TO BE 2" WIDE.
4. PAINT TO BE COLORPLUS AS MANUFACTURED BY: THORWORKS INDUSTRIES, INC. \*OR APPROVED EQUAL.

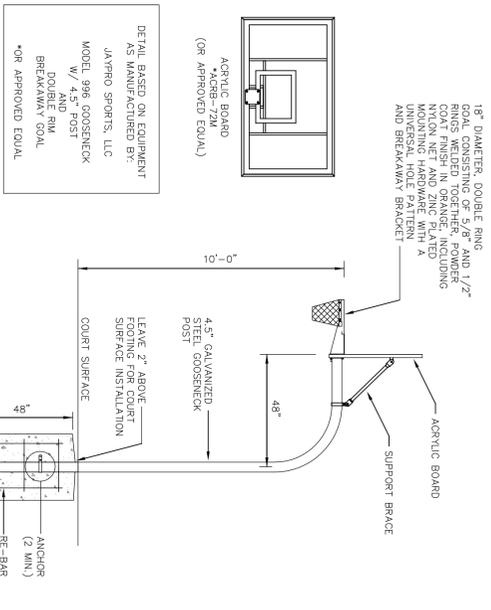
**BASKETBALL COURT PAINTING DETAIL**

**NOTES:**

1. COURT TO BE LEVELED WITH FINE SAND / BERM HOT MIX PRIOR TO TOP COURSE INSTALLATION.
2. CONTRACTOR IS TO LEVEL THE COURT BY INSTALLING AS MANY PINS AND STRINGS AS NECESSARY TO ENSURE THE COURT IS TRUE. SLOPE TO BE .5% TOWARDS THE WETLANDS.
3. FINAL TOP COURSE TO BE INSTALLED BY USE OF A MECHANICAL SPREADER BOX AND ROLLED TRUE TO OPTIMAL COMPACTATION.
4. STATE TOP W/ MINIMAL RAP MAY BE USED FOR TOP COURSE OF ASPHALT.



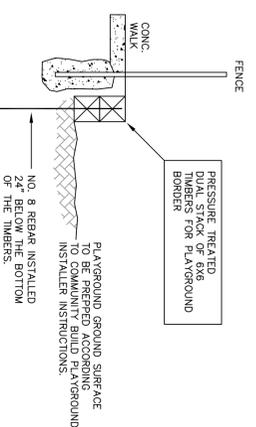
**BASKETBALL COURT SECTION**



**NOTES:**

1. IF APPROVAL FOR \*OR APPROVED EQUAL EQUIPMENT IS SOUGHT BY THE CONTRACTOR CUT SHEETS FOR SUCH APPROVED EQUAL EQUIPMENT SHALL BE SUBMITTED AT THE TIME OF BID FOR COMPARISON BY THE CITY OF REVERE.
2. ANY SUCH APPROVED EQUAL EQUIPMENT SHALL FULLY MEET THE EQUIPMENT AND MANUFACTURING STANDARDS OF THE REPRESENTATIVE MODEL SHOWN, IN TERMS OF MATERIALS AND CRAFTSMANSHIP.
3. CONCRETE FOR FOOTINGS SHALL BE 4000 PSI STRENGTH AT 28 DAYS.
4. THE CONTRACTOR SHALL FULLY COMPACT THE BASE OF THE EXCAVATION PRIOR TO SETTING THE PATIO BLOCKS AND CONCRETE FOUNDATION.
5. 2" SHALL BE LEFT ABOVE THE CONCRETE FOOTING SUCH THAT THE COURT SURFACE SHALL BE CONTINUOUS ABOVE THE FOOTING.
6. CONCRETE FOOTINGS TO INCLUDE REBAR CAGE FOR ADDED DURABILITY. MAY BE MINIMAL, BUT SUCH THAT THE FOOTING SHALL BE HELD TOGETHER BY THE REBAR IN THE EVENT IT SUFFERS FROM LONG TERM DEGRADATION.
7. BACKBOARD TO BE ACRYLIC AND RIM TO BE DOUBLE BREAKAWAY RIM GOAL. IF DOUBLE RIM IS NOT AVAILABLE IN BREAKAWAY, THE STURDIEST BREAKAWAY RIM AVAILABLE SHALL BE USED.

**OUTDOOR BASKETBALL EQUIPMENT DETAIL**



**WOOD TIMBER SURROUND AT PLAYGROUND**

**NOTES:**

1. WOOD TIMBERS TO BE SET atop A COMPACTED COURSE OF GRAVEL.
2. TIMBERS TO BE ATTACHED TO THE GROUND W/ # 8 RE-BAR PINS TO EXTEND 24" INTO THE GROUND SURFACE MIN 2 PER TIMBER.
3. TIMBERS TO BE CONNECTED TO EACH OTHER W/ 8" TIMBER LOCK SCREWS, MIN 6 PER TIMBER.
4. PAYMENT FOR WORK UNDER THIS ITEM IS FOR THE COMPLETE SYSTEM, FULLY INSTALLED BY THE LINEAR FOOT.

*The City of*  
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Honorable Mayor Brian Arrigo

**DETAIL SHEET 3**

Scale: As Noted	Date: January 21, 2016
Job No./File Name Oak Island Park.Dwg	Plan No.
Drawn by: MBK	